

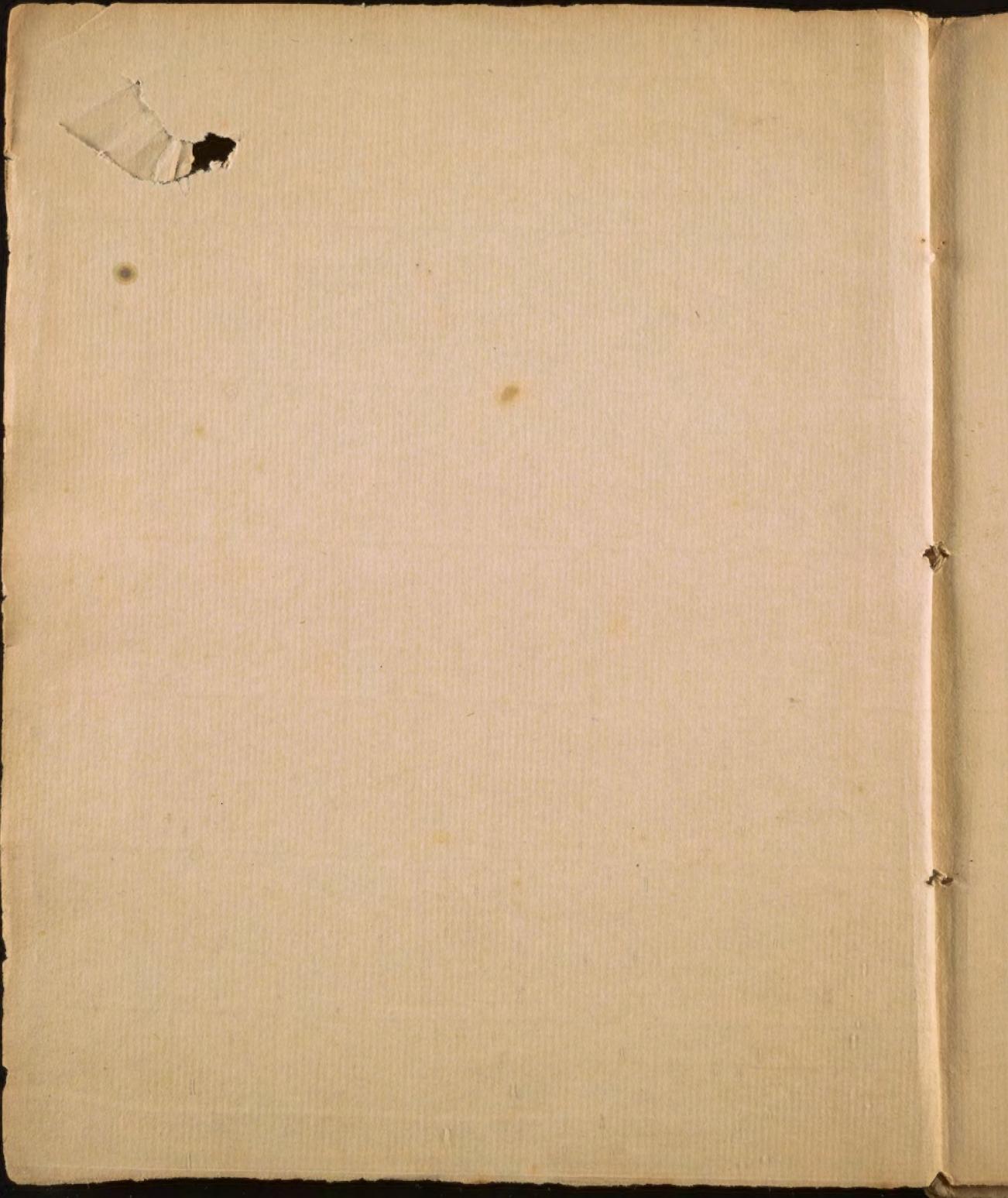
40

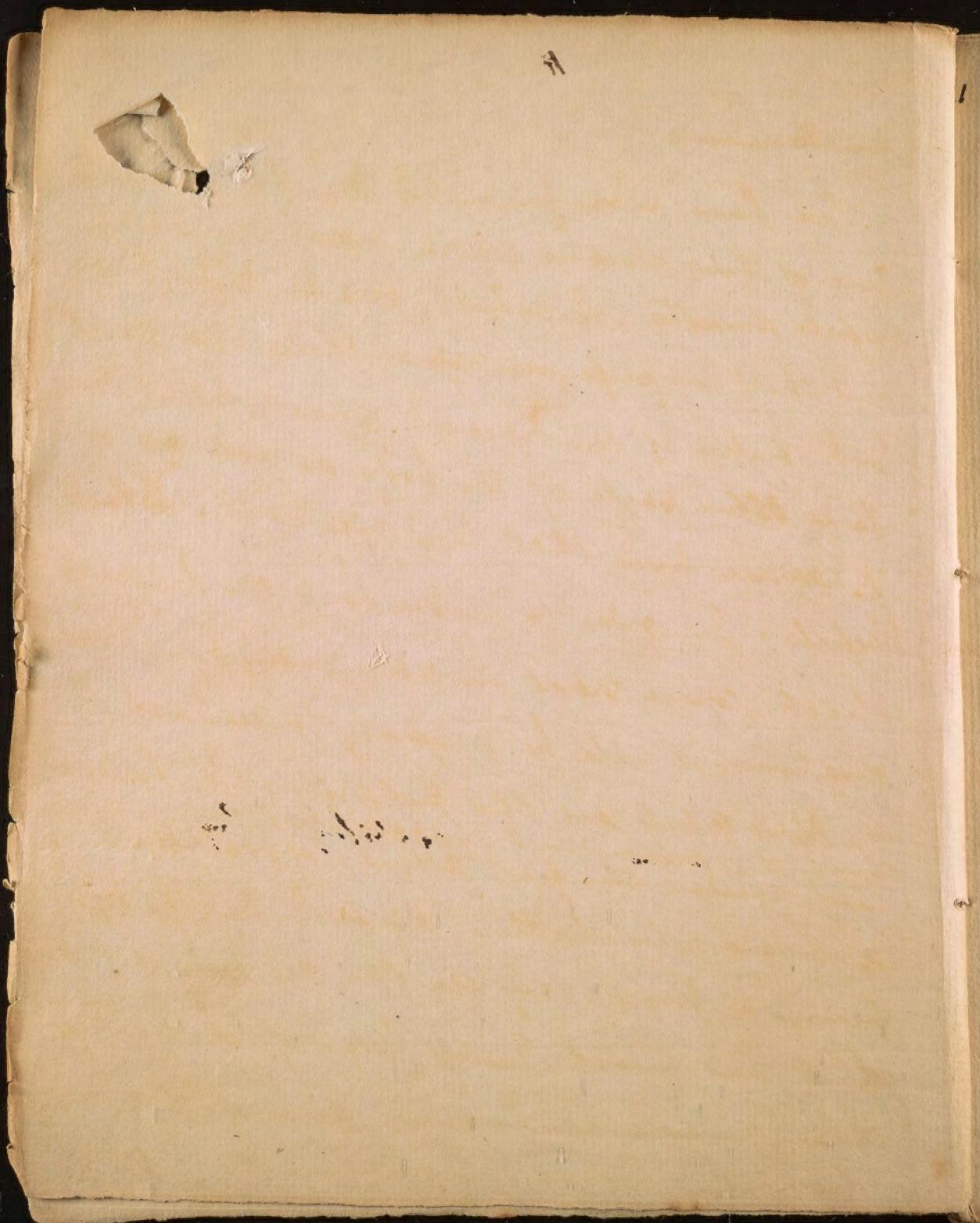
Y.2
7399
F 12

Introduction to lectures upon
Aphlegy, Palsey, Coma & Epilepsy.

Feb: 15. 1811.

D. Berry Rush





4

Gentlemen,

We have now finished the history and
one of those diseases which affect the blood
vessels directly, or which make their first
and chief impression upon them. We next
took notice of the diseases which affect cer-
tain other parts of the body ~~so often as~~ at
the same time that they affect the blood-
vessels. In order to understand the subjects
which comes next in order under our Consi-
deration, it will be necessary to remark that
the blood vessels are the out posts of the system.
Given this prominent irritability, they
receive the first attacks of morbid im-
pressions which they discover in the different
forms of fever. They are the diseases of the
first and most simple states of society. Few
other diseases are known among savages.
From the increase of morbid impressions from

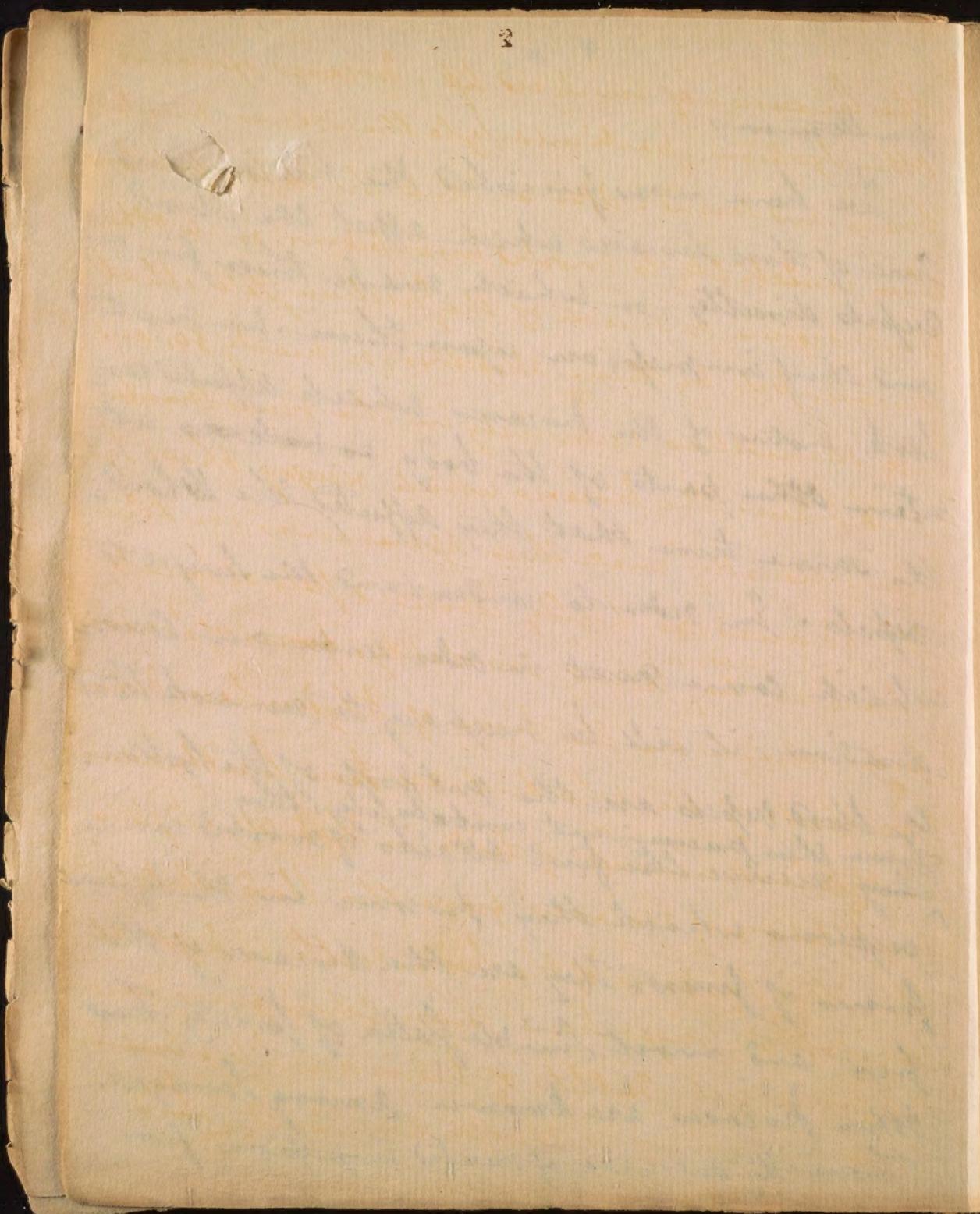
This is the common
use his of a parsony, of 4^t
from highest grade of
Apostlesey, but to I shall
say hereafter there are
lesses of it where there
is at an absence of public
and of Roppe and of work
of 7 hours of life.

70 - . 81 70. 02. 61
70. 71. 81. 21. 13. 71. 6
56. 91 ~~my~~ ~~my~~ ~~my~~
our our our

3. 15. 8

proverb
L. 82. 22. 61 71. 21
my my my
my my my

v The same remote causes which induce fever
in a labourer, or a peasant, or in a young
man or woman induce ~~fever~~
~~Dyspepsia,~~ Colic, Head Stomach - or Head Ache -
or some other ~~remote~~ disease often more
connected with the nervous system in a healthy
~~& luxuriant~~
citizen, or in persons advanced in life.
But these nervous diseases =



D
B
th
w
di
fr
A
—
—
I
E
a
—
D

2

the luxuries of civilized life, diseases spread to
other systems, particularly to the nerves, muscles,
brain and mind. After a while the blood, ^{feels} loses
this irritability to morbid impressions, or in other
words acquire so much of the friction state, that
diseases pass by them altogether, or nearly so, and
fix themselves exclusively in the nerves, muscles
and brain. The diseases which occupy these sys-
tems usually make their appearance in the
the advanced, or highly civilized state of society;
- hence in the ^{modern} bills of mortality, ^{now} of London
fines which in the time of Dr Sydenham destroy
two thirds of all who die, are now hardly noticed
as the instruments of death in that city. By this
translation of diseases from the blood vessels to
the other systems of the body, death is kept at
bay for a longer time than when ^{men} were
the principal outlets of human life. ^{but} ^I
Human misery is thereby increased, ^{and} ^{for the}

dis
see
dis
an
In
dru
and
= lit
ext
of
dia
an
10
en
or
dr
G

Diseases which ~~very~~ occupy the place of fevers
~~across the life suddenly revives~~ are more
 disturbing than the fevers they have banished,
 and tho' less evidently fatal, they are equally so.
 In short they substitute chronic diseases to
 such as are of a short duration - painful
 and diseases to such as often destroy sensi-
 tivity, and ~~in~~ ^{paroxysms of} ~~the sudden~~
 extinction of life. It was from this view
 of the immense difference between natural
 diseases such as fevers, and the diseases of
~~or~~ civilized, or artificial life, that a physician
 once said, "God ^{made} ~~had~~ acute diseases, but man
 made all such of them as were of a chronic
 or artificial nature". -

Our business at present is to treat of those
 diseases which affect the nerves & muscles in
 connection with the blood-vessels, and here I

V However strange and paradoxical this
assertion may sound, I believe it to be true, &
I shall

4

shall depart a little from our syllabus by treating of Apoplexy, Paroxysm, Convulsions, or Epilepsy in the order in which I have now mentioned them. I shall begin my remarks upon all these diseases by taking notice ~~in the~~
ⁱⁿ ~~of~~ ^{upon} ~~that~~ ^{the} ~~they~~ ^{are} ~~all~~ ^{different} ~~grades~~ ^{of} ~~but~~ ^{one} ~~disease.~~ ~~Apoplexy constitutes the highest grade~~
~~however it may stand, I shall~~
~~upon this scale. Convulsions the lowest & I shall~~
endeavor to support this ~~opinion~~ ^{it} by the following facts and arguments.

- 1 All ~~these~~ ^{They} ~~diseases~~ are all induced by a greater or less force of the same direct, indirect & sympathetic causes, to be mentioned hereafter.
- 2 They all affect the same systems; these are the blood vessels, the brain, the mind, the muscles, and the nerves.
- 3 ~~they~~ ^{see} Several of them are sometimes combined with each other. Thus we ^{see} Apoplexy & Convulsions at the same time, particularly in Drunkards. Again we see them terminate in each other.

Th
fr
Spri
an
par
the
we
two
4
m
one
and
of
fin
L
-to
2
h

Thus Epilepsy succeeds Apoplexy, and Apoplexy frequently the last and deadly prologue of Epilepsy. Indeed Epilepsy seldom ends fatally in any other way. Further, apoplexy often succeeds palsy and palsy apoplexy. But this is not all, ^{Some of them} they sometimes alternate with each other. Thus we see apoplexy and Epilepsy affect the same person two or three times in the course of a few years.

4 I infer the sameness of all the diseases ^{of} have mentioned, and that they differ from each other only in force, from the same morbid appearance occurring in the brain. After death from each of them. Of the truth of this assertion you will find many proofs in the Works of Morgagni, Lichtenau, and other writers upon morbid Anatomy. This fact ^{is} not originally mine. It was first discovered by Dr Thomas Willis. In short, apoplexy, palsy & coma

of the cause & and nature of
V of the Symptoms of Aprosody & Epilepsy in
this disease. "Starting in our Sleep" is a
striking illustration. The brain in sleep is
in what I formerly called a state of "healthy
Aprosody," that is somewhat oppressed with
blood. When this oppression comes on suddenly
or in greater force than is common or natural
the brain reacts, in consequence of which
we awake with a Starting, or in other words
with a Convulsion. This Starting or Convulsion
changes what would be a Coma or Aprosody
into a single or transient epileptic fit.
That this is the case, is obvious from the
the moving which ^{often} precedes it, or which
occurs during the night where ^{the} reaction of
the brain and starting do not take place. Now
Moving is a symptom of Coma & Aprosody,
and is uniformly ascribed to a morbid
pressure upon the brain.

6

are nothing but suffocated Convulsions, and
Convulsions, or Epilepsy are nothing but Agyrancy,
palsy and Convulsions diffused throughout a part, or
the whole of the System. ~~on~~ The Convulsions
of Epilepsy are often more severe on one side than the
other, which shows ~~the~~ its relationship ^{to} palsy.
~~This is so clear~~ I have once seen them affect
one side only without impairing in the smallest
degree the Operations of the mind.

✓ The Explanation I have given of the
Unity of Agyrancy, palsy, Convulsions
& Epilepsy, or of ~~this~~ their being but one disease
existing in a suffocated, or diffused state avoids
strictly with the several other diseases. We
observe a suffocated pneumonia & pleuritis,
both of which are diffused by bleeding. We
observe also a suffocated gout in the head, attend-
ed with a cool skin, cold feet & languid

100

101

102

103

104

105

106

107

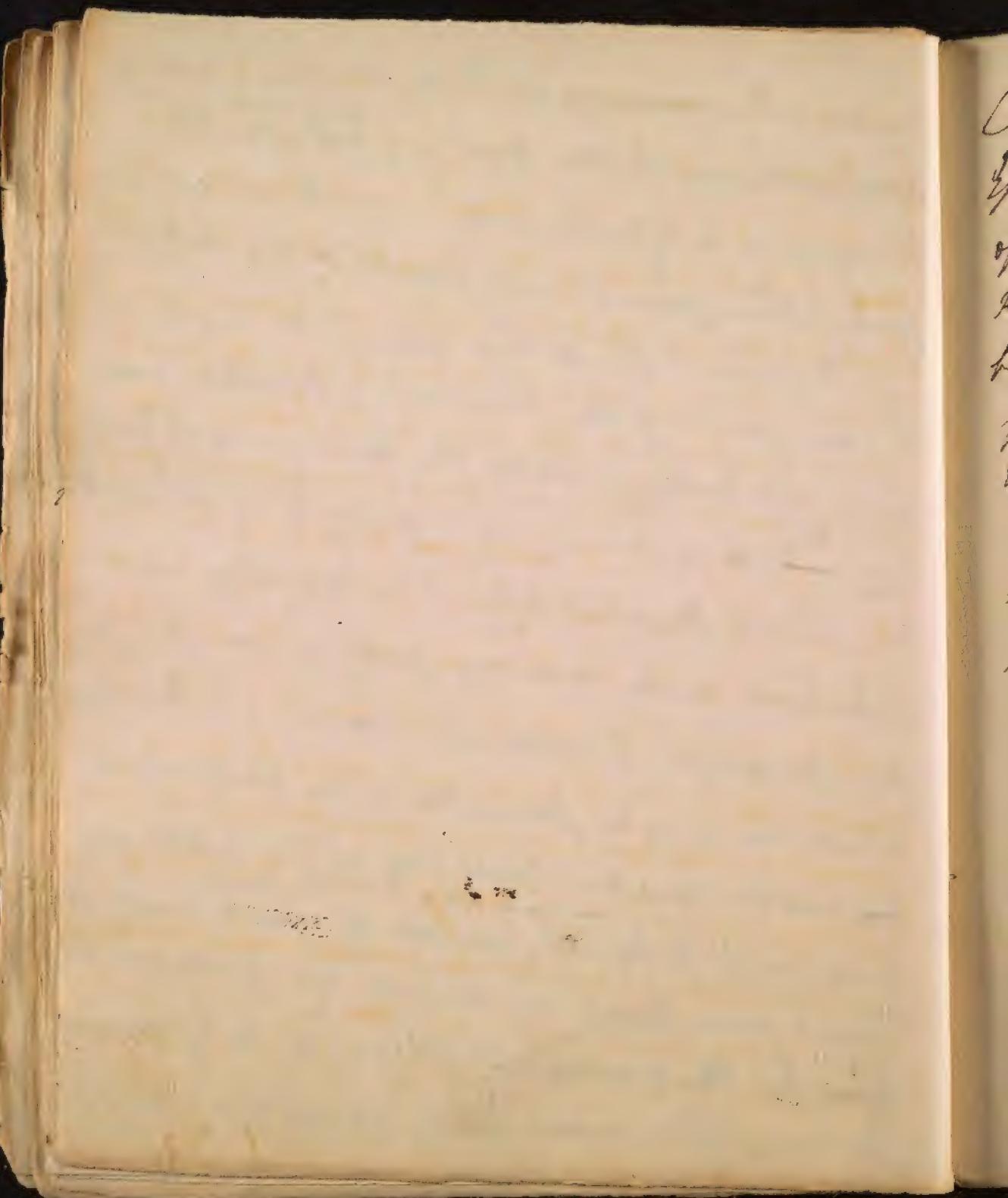
108

109

7

pulse. By means of bleeding & stimulating
applications to the part, we ^{abstract} the
disease, and diffuse warmth & an active
pulse throughout every part of the body.

But how shall we reconcile the opinion
I have given of the dangers of Aprophy, palsey,
Coma & Epilepsy with the occurrence of Epilep-
sy ^{or} convulsions in Infancy & Childhood
in which stages of life, it is said they never
alternate with Aprophy, palsey or Coma? To
this question I answer ~~in~~ in 1st place that
that the greater strength of the blood vessels
~~is~~ and the greater elasticity of the brain in
infancy & childhood, enable them to exist with
more force than in middle life & old age,
~~loss~~ by that means, when unduly exposed,
to save themselves from Aprophy, palsey &



8

Coma, by exciting creating Convulsions & Epilepsy, and hence the frequency & origin of those diseases in ~~the~~ early periods of life. But I took notice of the greater strength of the blood vessels in children than in grown people formerly, and accounted ^{from} it for the greater determination of the blood to the head in the first years, than in any subsequent years of human life. But ~~as~~ great as the relative strength of the blood vessels of the brain, and prompt as its reaction is from its greater relative elasticity, it is not always able to ~~cause~~ prevent Apoplexy, palsey & Coma by exciting ~~and~~ inducing convulsions, or Epilepsy, and hence I reply to our question 2^d that Apoplexy & Coma ~~and~~ palsey, are more common in the infancy, and childhood, than in middle life or in old age.

The

gr

re

-la

a

ay

de

ii

in

di

an

This is evident 1st from the ~~the~~ fits which
in children now succeed
Epilepsy in all cases; for this fit which
necessarily follows a fit of Epilepsy is no-
thing else but a ~~faint~~ degree of Convulsions, or
a low degree of Apoplexy. and 2nd from
Apoplexy so generally terminating the acute
diseases of Children. This is most obvious
in the exanthematous fevers, ^{and in the fevers}
~~but it occurs likewise~~ from Contusions on the head, but
it occurs likewise ~~from~~ the small pox
measles, hooping cough ^{attending} & the cobra
infantum. This Apoplexy ~~does~~ differs from
the Apoplexy of Adults in being of a more
chronic nature, but its courses are exactly
the same, and the same results appear in
the brain after death. It occurs in the close
of the above diseases now and then,

a

w

P

a

l

M

u

a

C

z

=

After convulsions,¹⁰ but it often takes place
without them, from causes to be mentioned
presently.

The ~~strength~~ excitability of the blood-vessels
and elasticity of the brain. From these facts
we are warranted in believing that apoplexy is
more frequent in children than in grown people.

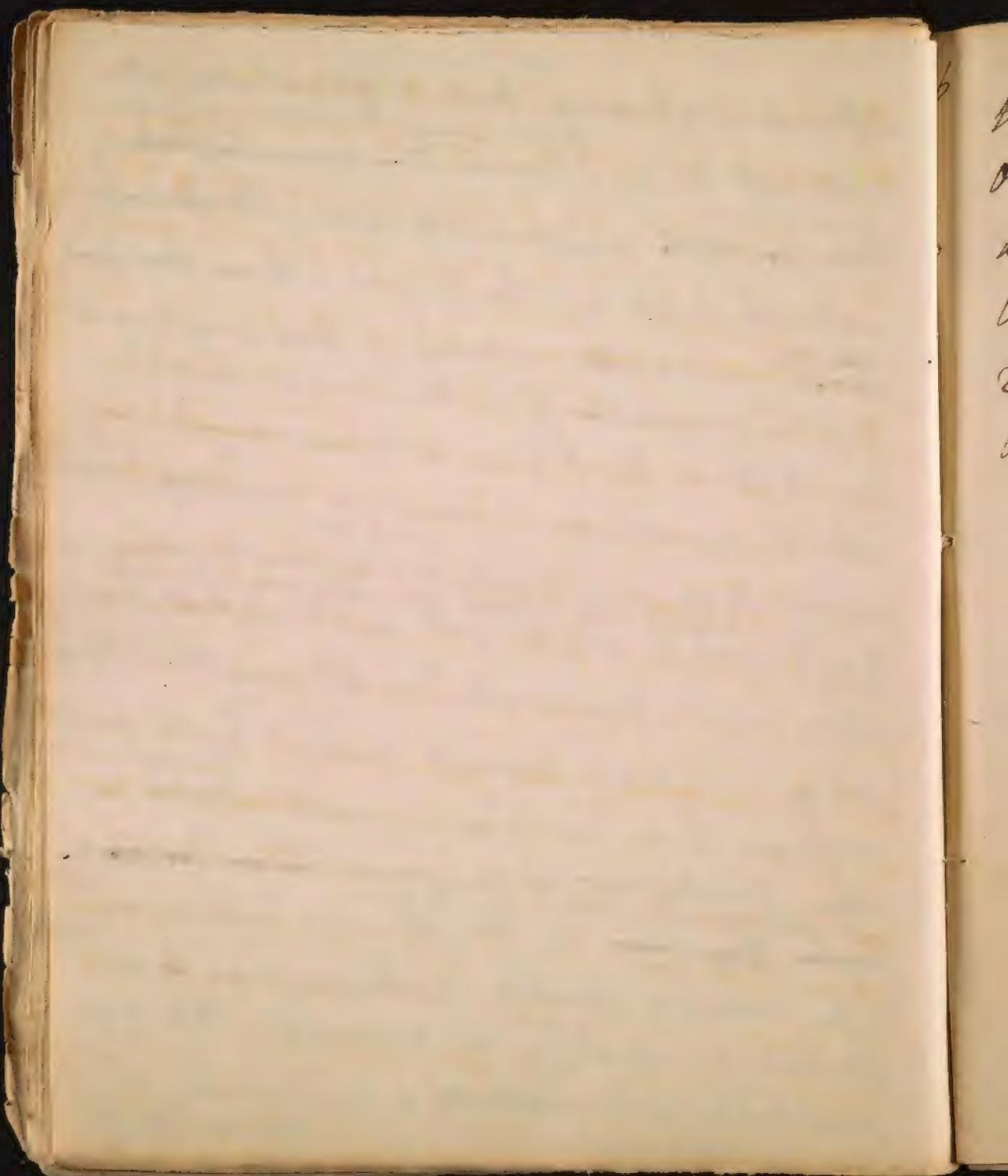
But ^{3rd} respecting the cases of Apoplexy
in children that have been mentioned, we
add the occasional instances of ^{it} apoplexy from

causes that act suddenly and instantly, which
life by inducing what Dr. Hall calls apoplexia instantis
several of which will be mentioned hereafter:

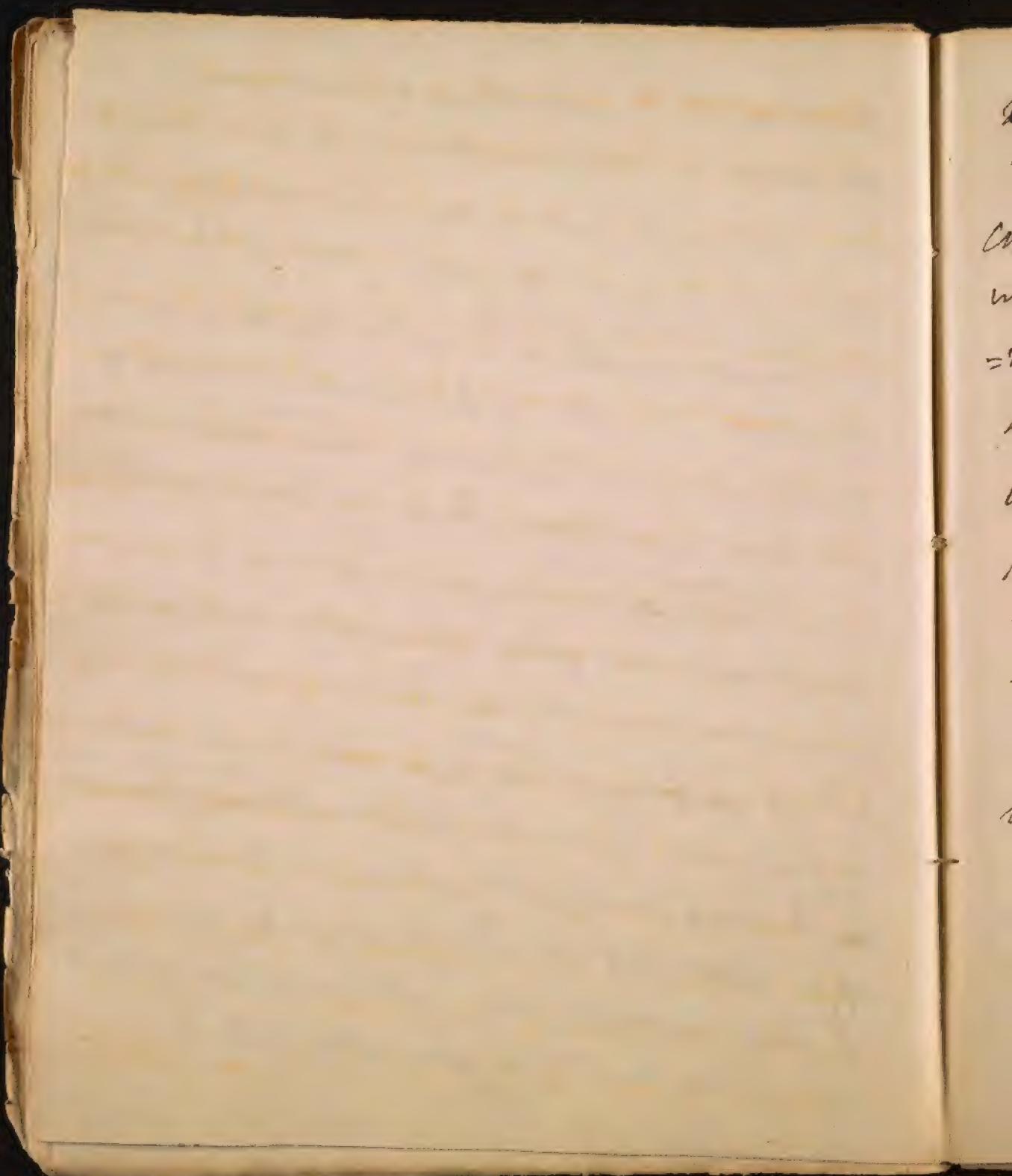
we are warranted in believing that Apo-
plexy is a more frequent cause of death in
children than in grown people. This is

~~the disease at the former than at a~~
~~in the former, from the latter~~
~~so differ in the following particulars.~~

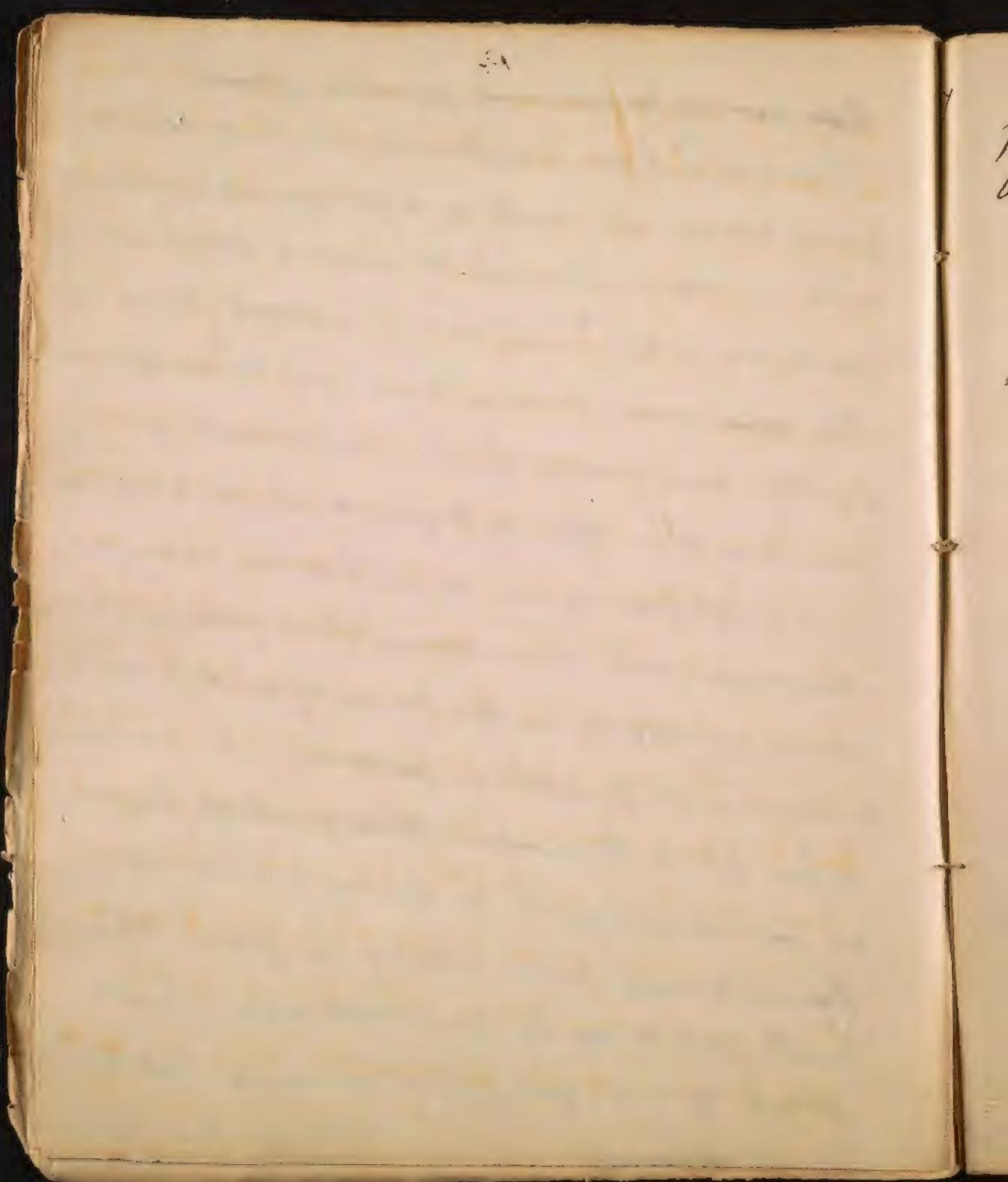
1. In children ~~has~~ a predisposition to the
disease is induced by an exhausted state of the
excitability of the ~~blood~~ arteries, and
elasticity of



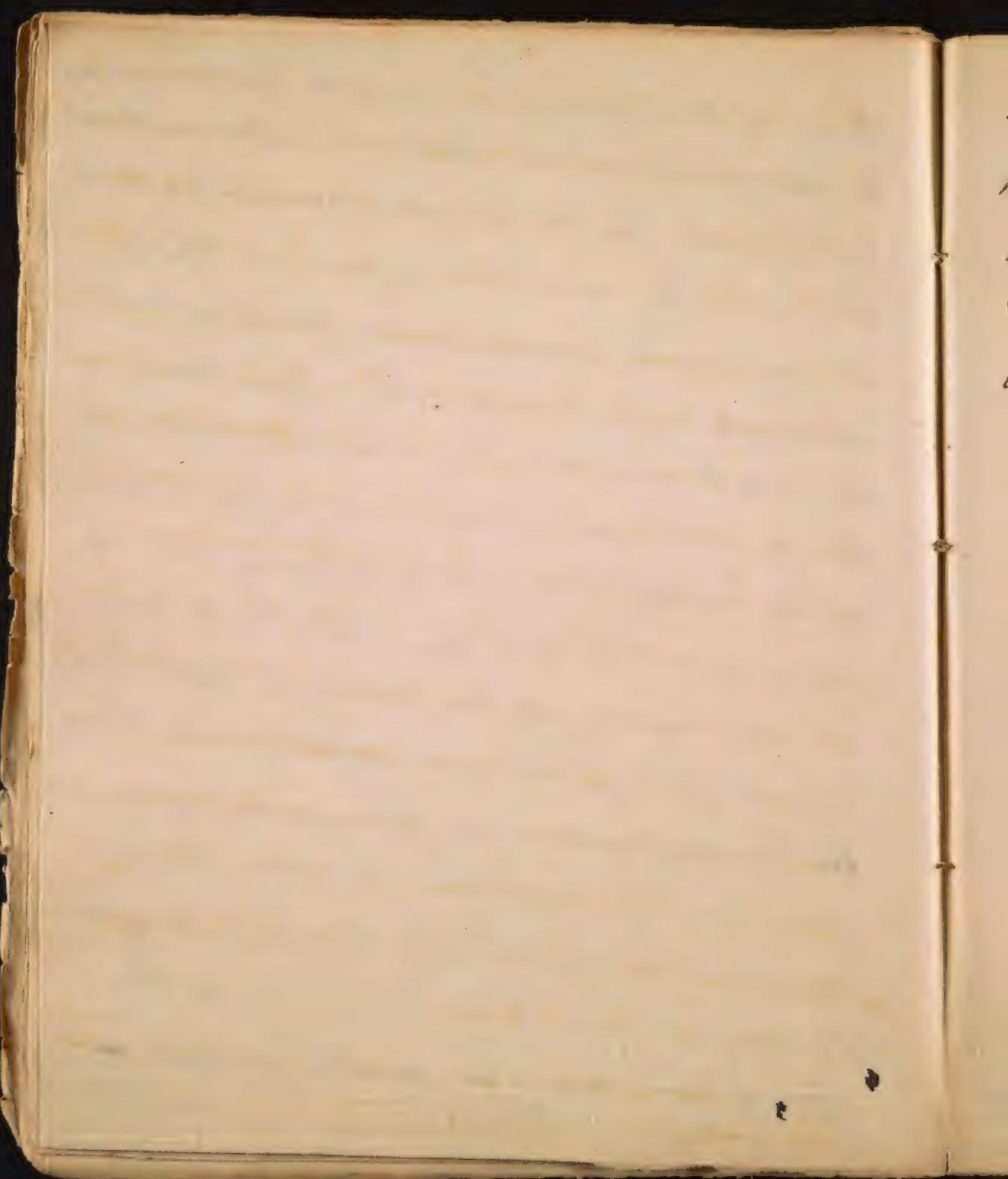
- 11
- the brain. In Adults and particularly in
old people a predisposition to it is induced by
an exhausted state of the excitability of the
Veins, and by a strictum state of the brain.
In children it succeeds
2 In ~~adults~~ ^{children} occurring most of the diseases of
childhood. In adults, delirium instead of
apoplexy, more frequently occurs in
the last and fatal stage of their diseases.
3 In ~~adults~~ ^{children} of a chronic nature. In adults
apoplexy when fatal, generally destroys life
in a few minutes or hours. and
4 In ~~adults~~ ^{children} it yields
of medicine than in adults. ^{I have ascribed}
^{this to} its being rarely attended with a rupture
of a blood vessel in the brain, or with what
I shall hereafter call "intravasation" of blood.
in which case it is generally fatal.



See ~~posed to make foolish, that~~
 Having I hope established the fact that
 Convulsions are nothing but Apoplexy attend-
 with reaction, I would to remark that Con-
 -vulsions of all kinds are transient, that is
 they ~~ass~~ occur once or twice, and never afterwards,
 or they are periodical. In this respect you
 perceive their affinity to fevers, which occur in
 in a single paroxysm, or in two or more pa-
 -roxysms, and never occur afterwards, or which
 occur periodically in the forms of quotidian,
 tertians, or quartans ~~fevers~~ which continue
 when left to themselves thro' a whole season,
 or for several years, or during a whole life.
 Convulsions from teething, or from the
 small pox may be considered as a simple
 attack of an ephemeral fever, or as a



from of one paroxysm, while Epilepsy may be considered as an Obstinate intermittent duly seated in the Constitution, & liable to be excited by as many causes as those which excite paroxysms & relapses of intermitting fevers. Nor does the resemblance of the two diseases stop here. An intermittent was formerly as much an incurable disease as the Epilepsy, and would probably have remained so till this day, had it not been for the discovery of the Peruvian Bark. It is true it destroys life somewhat sooner than the Epilepsy from its disorganizing effects upon the liver and other viscera. The brain in this case yields more slowly to decay & disorganization than the viscera of the abdomen from repeated attacks, & the



14

the long duration of Epilepsy. The reason of
this must be obvious to you. The viscera
possess but a feeble power of reaction compared
with the brain, whence the Epilepsy often
continues for 20, 30, & over 40 years without
inducing any change in the organization
of the brain, or even in the functions, or
operations of the mind. That the reaction
of the brain saves it from destruction, I
infer from the effects of Apoplexy upon
it in which no reaction takes place. A
single fit of often leaves ~~comes~~ behind it dis-
-cases of the eyes, or ears, or obstinate head-
ache, or a defect of memory, and a third fit
often destroys life, by the complete disorgani-
zation of the brain.

~~It has~~ From what has been ^{said of}
~~Epilepsy~~ the affinity of Apoplexy & Epilepsy,

68

8

we may explain several facts that occur
in those diseases.

~~I have often seen~~ It has often been observed that
in the beginning of a fever are convulsions
with any danger. The reason of this is
obvious. The brain in the beginning of a
fever is too strong to be disorganized by
them. It has been observed further, that
convulsions in the close of fevers, and of
many other diseases are generally fatal. The
reason of this is likewise obvious. The ex-
ibility of the blood vessels and the elasticity of the
brain are ^{so completely} exhausted so as to prevent their
returning upon the ~~into~~ discast food beneath
=cesses sink under the so as to produce
by reacting, an equilibrium in the
System, &

V are epileptic - in their close - they
are apoplectic.

hence they recumb, or sink ^{by} into a fatal apoplexy, from their being too weak to save themselves by a single fit, or by successive fits of Epilepsy, or in other words of ^{In a word,} convulsions in the beginning of Epilepsy. The convulsions in the beginning of

2 It is a remark as ancient as Hippocrates, that a fever preceding Apoplexy is favourable.

- why is it so? I answer because it shows, ^{the brain to be so easily unengaged as to be} ~~reaction in the brain thro' the medium of the blood vessels able to react thro' the medium of the blood vessels of the whole system.~~

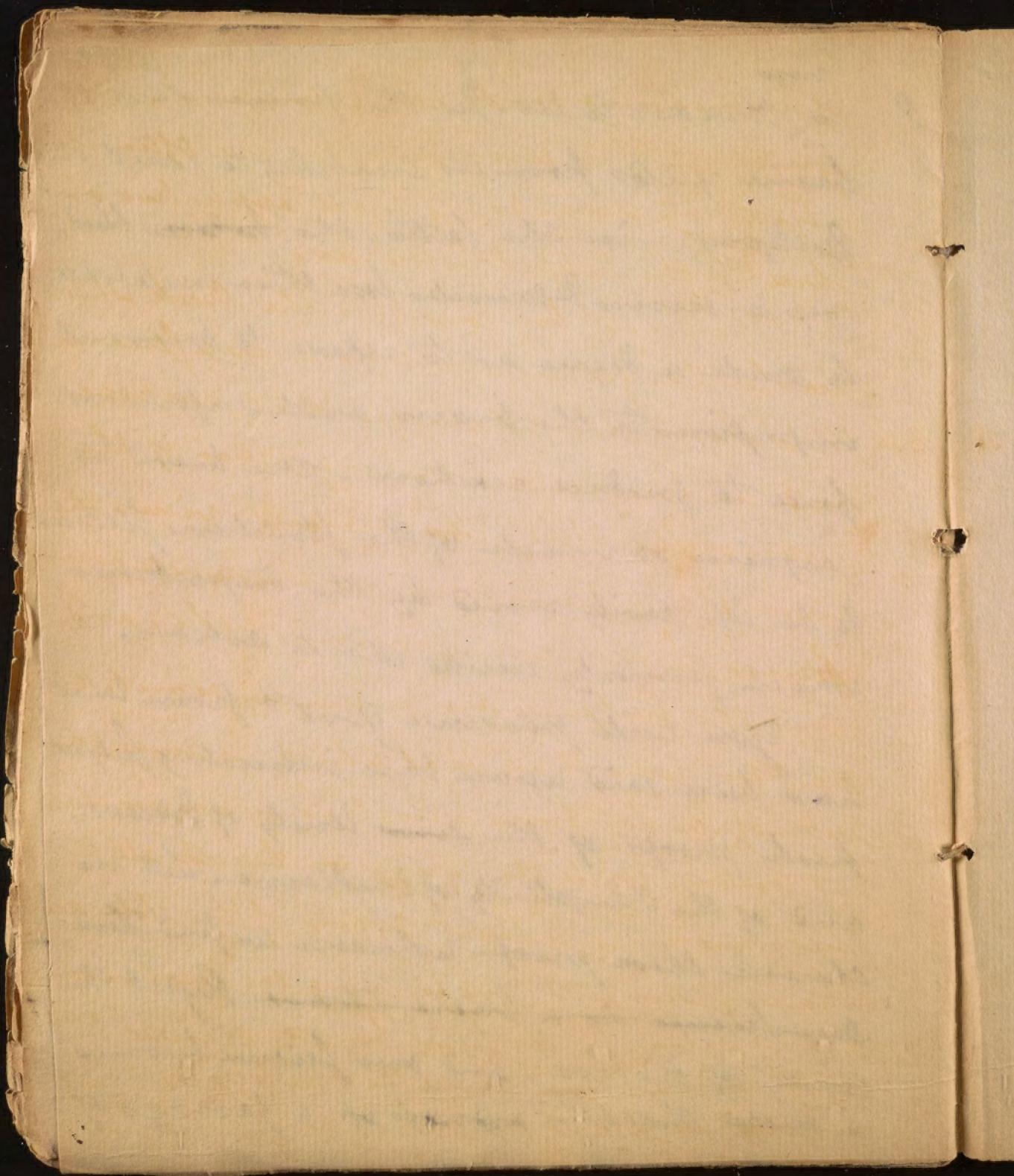
- It is equally a sign that the brain has escaped disorganization when it reacts by means of convulsions or Epilepsy.

3 It has been remarked that Epilepsy generally terminates in death by a fit of Apoplexy, and that it goes off gradually between the 50th and 60th years of life. The reason of this

9

now ¹⁷
is obvious to us. In the former case the
brain yields from its inability to react in
Epilepsy; - in the latter, the ~~tissues~~, blood-
vessels, nerves & muscles lose their irritability
to such a degree as to refuse to transmit
impressions to the brain with sufficient
force to produce reaction. The brain too
requires ~~so~~ much of the ~~strictures~~ state as
to be less easily moved by the impressions
which formerly excited it into action.

You will perceive Gent^m from what
has been said upon this interesting subject,
fresh proofs of the ~~first~~ Unity of Disease,
and of the Simplicity of Medicine. Let us
cherish these proofs wherever we find them.
~~Conscience is a mere chaos~~ Reject the
Unity of disease, and our science becomes
a mere chaos, - adapt of a passage of



of unmeaning words, and a compound of ignorance. As error & truth are often illustrated by similes, I shall apply two or three to the subject before us.

The School boy considers the Creek which washes his father's plantation, as a stream of water made wholly for that purpose, and unconnected with any other of the waters of the globe. ^A peasant views the river ebbing flowing twice in the twenty-four hours in the same contracted light, and even the fisherman frequently admits of no other ocean than that which receives the waters of the bay from which he derives his clams and oysters; while the navigator beholds all the creeks and rivers & bays & oceans of the globe as intimately connected, and forming one great integral mass of water. In the School boy, the peasant & the fisherman ^{we} behold the ~~eposologist~~ & the navigator, we behold the ~~Histrian~~ in medicine.

